

Gr. 470

40/30

470
Ress

40-130-R

36

40/541

Horsepower Gear Motors

Engineered & Built for Specific Product Requirements

von Weise is one of the largest, and most modern manufacturers of gear trains and gear motors in the United States. We have complete engineering and plant facilities to design and produce gear motors to meet your needs.

Among the industries we serve are...

Vending Machines • Animated Displays • Rotisseries
Hospital Beds • Ice Makers • Instruments • Controls
Filtering Equipment • Household Appliances • Conveyors
Welder Wire Feeds • Office Machines • Chemical Feeders
Agricultural Machines • Door Operators

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APR 17 1961

U.S. PATENT OFFICE



von Weise Gear Co.

Designers & Builders of Gear Motors

9353 WATSON INDUSTRIAL PARK • ST. LOUIS, MO. 63126
Representatives in Principal Cities



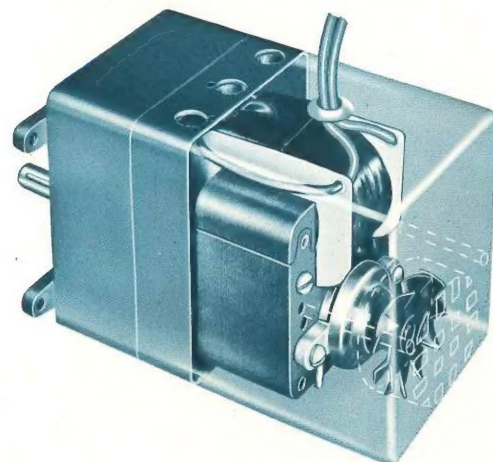
Standard Fractional H.P. Gear Motors

These versatile fractional and subfractional horsepower gear motors are designed for dependable service with economy in many standard installations.



Versatile, Compact, Shaded Pole Gear Motor

Available with Solenoid Brake

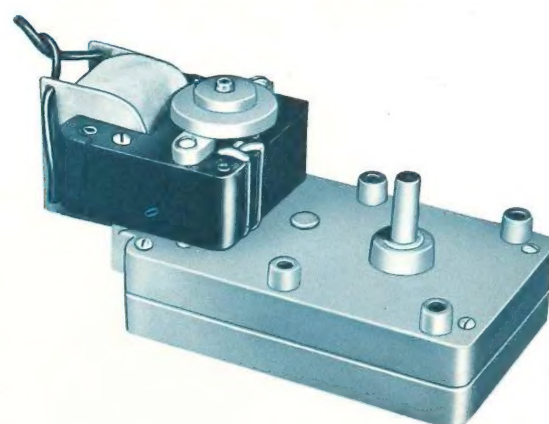


115V A.C. • Up to 1/30 H.P. • Gear train designed for 50" lbs. torque • Non-reversible • Continuous or intermittent duty • Speeds from 1 to 200 R.P.M. • Permanently lubricated bearings • Face mounted • Approx. size: 3⁷/₁₆" x 2⁵/₈" x 4" min.—5³/₁₆" max.



Rugged, Fractional H.P. Gear Motor

Available with Solenoid Brake



115V A.C. 2 pole or 4 pole motor • Up to 1/30 H.P. • Gear train designed for 150" lbs. torque • Non-reversible • Continuous or intermittent duty • Speeds from 6 to 120 R.P.M. • Permanently lubricated bearings • Optional mountings • Approx. size: 6³/₈" x 3" x 2¹¹/₁₆" min.—3¹/₂" max.



Heavy Duty, Shaded Pole Gear Motor

Quiet Running—Fan Cooled

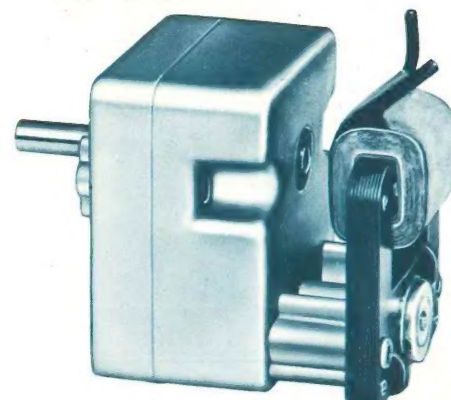


115V A.C. • Choice of 1/10, 1/15 or 1/25 H.P. • Available: Totally enclosed and reversible • Continuous duty • Speeds from 1 to 200 R.P.M. • Ball bearing and oil impregnated bronze bearings • Foot mounted • Approx. size: 8" long x 4⁵/₈" diam.



Quiet, Compact, Economical Gear Motor

Available: Output shaft out either or both sides

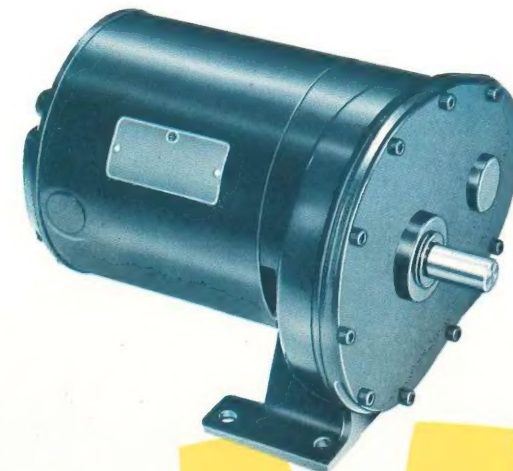


115V A.C. • Up to 300" oz. torque • Non-reversible • Intermittent or continuous duty • Speeds from 1 to 60 R.P.M. • Permanently lubricated bronze bearings • Front or back mounted • Approx. size: 2⁹/₁₆" x 1¹⁵/₁₆" x 2¹⁵/₁₆" min.—3³/₈" max.



1/4 H.P. Split Phase Motor

105 to 433" lb. torque • Approx. size: 5¹¹/₁₆" dia. x 11¹/₁₆" long.



1/2 H.P. Split Phase Motor

200 to 800" lb. torque • Approx. size: 6¹/₂" dia. x 12¹/₂" long.

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Standard Variable Speed Gear Motors

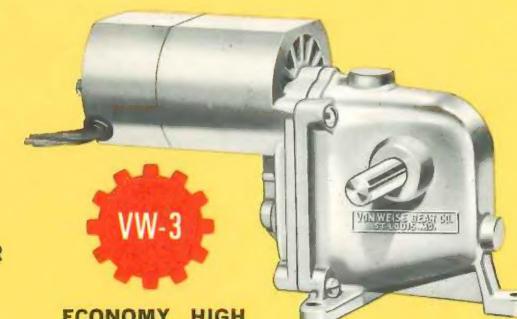
These rugged, high quality D.C. gear motors are designed for application where variable speed is desired. Many automated production systems demand the versatility of variable speed. All these gear motors are instantly reversible, normally operate on 115 volts, and are available in a range of sizes, R.P.M. and torque outputs.



VERSATILE, LIGHT DUTY 1/2 H.P. GEAR MOTOR



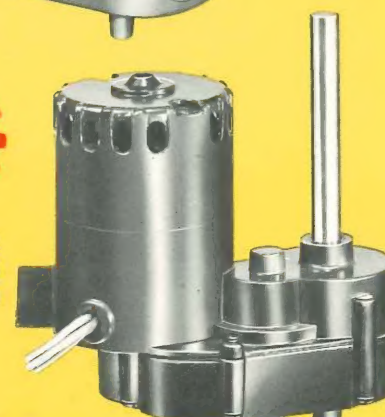
ECONOMY, HIGH TORQUE, 1/15 H.P. GEAR MOTOR



COMPACT, TOTALLY ENCLOSED 1/30 H.P. GEAR MOTOR



LOW COST, DEPENDABLE 1/10 H.P. GEAR MOTOR



RUGGED, HIGH TORQUE 1/2 H.P. GEAR MOTOR

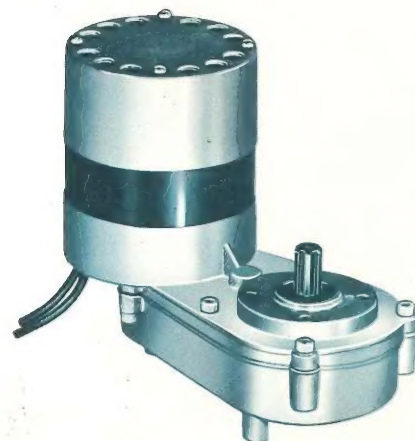


VARIABLE SPEED CONTROLS TO FIT ANY APPLICATION

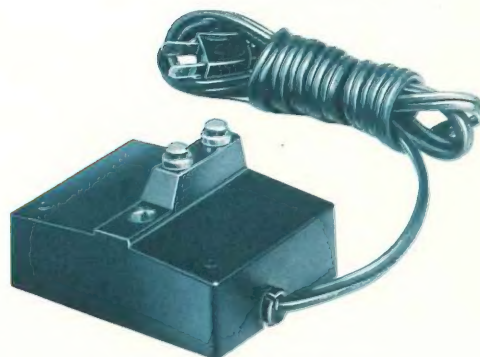


VON WEISE DESIGNS & BUILDS GEAR MOTORS FOR YOUR SPECIAL NEEDS

Our engineering staff is experienced in the design of gear motors to meet any requirement from animated displays to extra heavy industrial duty. This experience means fractional horsepower gear motors to fit your exact specifications at minimum cost. Some examples of exclusive von Weise designs are presented on this page.



FLAKE ICE MACHINE



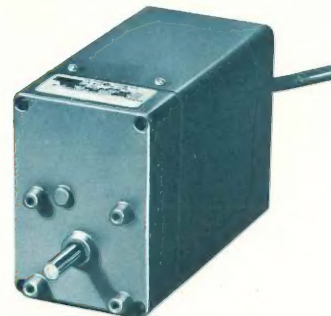
BARBEQUE ROTISSERIE



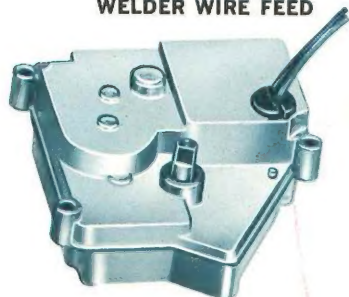
WELDER WIRE FEED



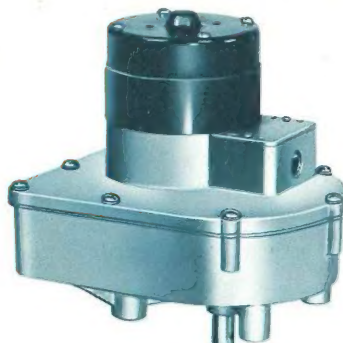
VALVE OPERATOR



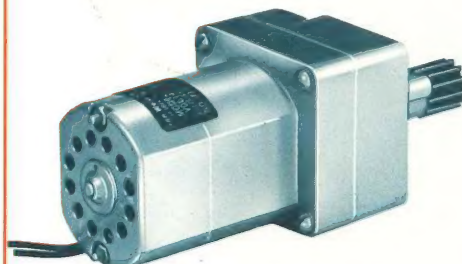
HOSPITAL BED



DOMESTIC ICE MAKER



ROLL TYPE FURNACE FILTER



STORED ENERGY SWITCH



von Weise Gear Co.

ST. LOUIS, MO. 63126

Telephone: (314) 962-1800